

Title (en)
TEMPERATURE MAINTAINING MEMBER FOR CYLINDER-BORE WALL

Title (de)
TEMPERATURBEWAHRUNGSELEMENT FÜR ZYLINDERBOHRUNGSWAND

Title (fr)
ÉLÉMENT DE MAINTIEN DE TEMPÉRATURE POUR PAROI D'ALÉSAGE DE CYLINDRE

Publication
EP 2975250 A4 20161116 (EN)

Application
EP 14765772 A 20140313

Priority
• JP 2013053935 A 20130315
• JP 2014056678 W 20140313

Abstract (en)
[origin: EP2975250A1] A cylinder bore wall insulating member has a contact surface that comes in contact with a wall surface of a cylinder bore wall that forms a cylinder block of an internal combustion engine and defines a groove-like coolant passage, the contact surface being formed of an elastomer or a resin material, and the ratio ((actual area of contact/formation area of contact surface)×100) of the actual area of contact to the formation area of the contact surface being 1 to 50%. The cylinder bore wall insulating member can be easily fitted into the groove-like coolant passage.

IPC 8 full level
F02F 1/14 (2006.01); **F01P 3/02** (2006.01); **F02F 1/00** (2006.01)

CPC (source: EP US)
F02F 1/004 (2013.01 - US); **F02F 1/10** (2013.01 - US); **F02F 1/14** (2013.01 - EP US); **F02F 7/0007** (2013.01 - US);
F01P 2003/021 (2013.01 - EP US)

Citation (search report)
• [X] JP 2012007584 A 20120112 - NICHIAS CORP
• [X] EP 2325471 A1 20110525 - HONDA MOTOR CO LTD [JP]
• [X] JP 2002161803 A 20020607 - HONDA MOTOR CO LTD
• [X] EP 1167735 A2 20020102 - TOYOTA MOTOR CO LTD [JP]
• [X] JP 2004019475 A 20040122 - TOYOTA MOTOR CORP, et al
• See references of WO 2014142241A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2975250 A1 20160120; EP 2975250 A4 20161116; JP 2014177927 A 20140925; JP 5948268 B2 20160706; US 2016017838 A1 20160121;
WO 2014142241 A1 20140918

DOCDB simple family (application)
EP 14765772 A 20140313; JP 2013053935 A 20130315; JP 2014056678 W 20140313; US 201414775034 A 20140313